

## Figures

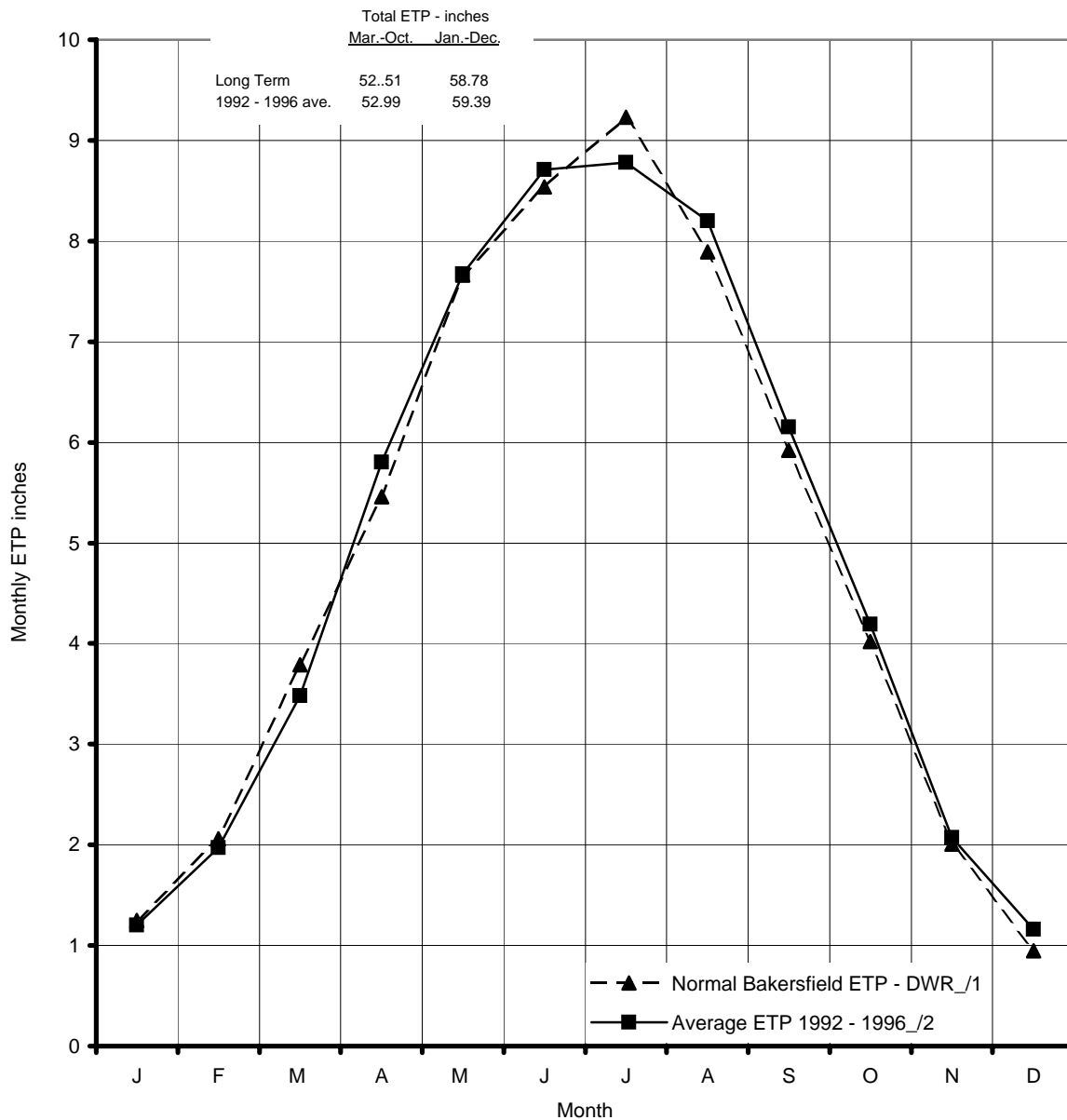


Figure 1. Long-Term "Normal" Monthly Average ETP<sup>1</sup> Compared to 1992 - 1996 Average ETP for Bakersfield Stations in Irrigated Pastures<sup>2</sup>

<sup>1</sup> Long-term "normal" for irrigated pasture pans in the San Joaquin Valley - Table 1, Bulletin 113-3

<sup>2</sup> 1992 - 1993 observed Monthly Ep were an average of Bakersfield Stations 12S and Lamont 2NW - DWR.

January - March 1994 Ep values were estimated based on long-term observed relationships between Bakersfield 12S and Lamont 2NW. Lamont 2NW was removed in January and Bakersfield 14W was established in March 1994. 1995 observed Monthly Ep was the average of Bakersfield Stations 12S and Bakersfield 14W. Bakersfield 12S was removed in November. November and December 1995 values were estimated based on long-term relationship between Bakersfield 12S and Bakersfield 14W. 1996 Monthly Ep values were observed at Bakersfield 14W.

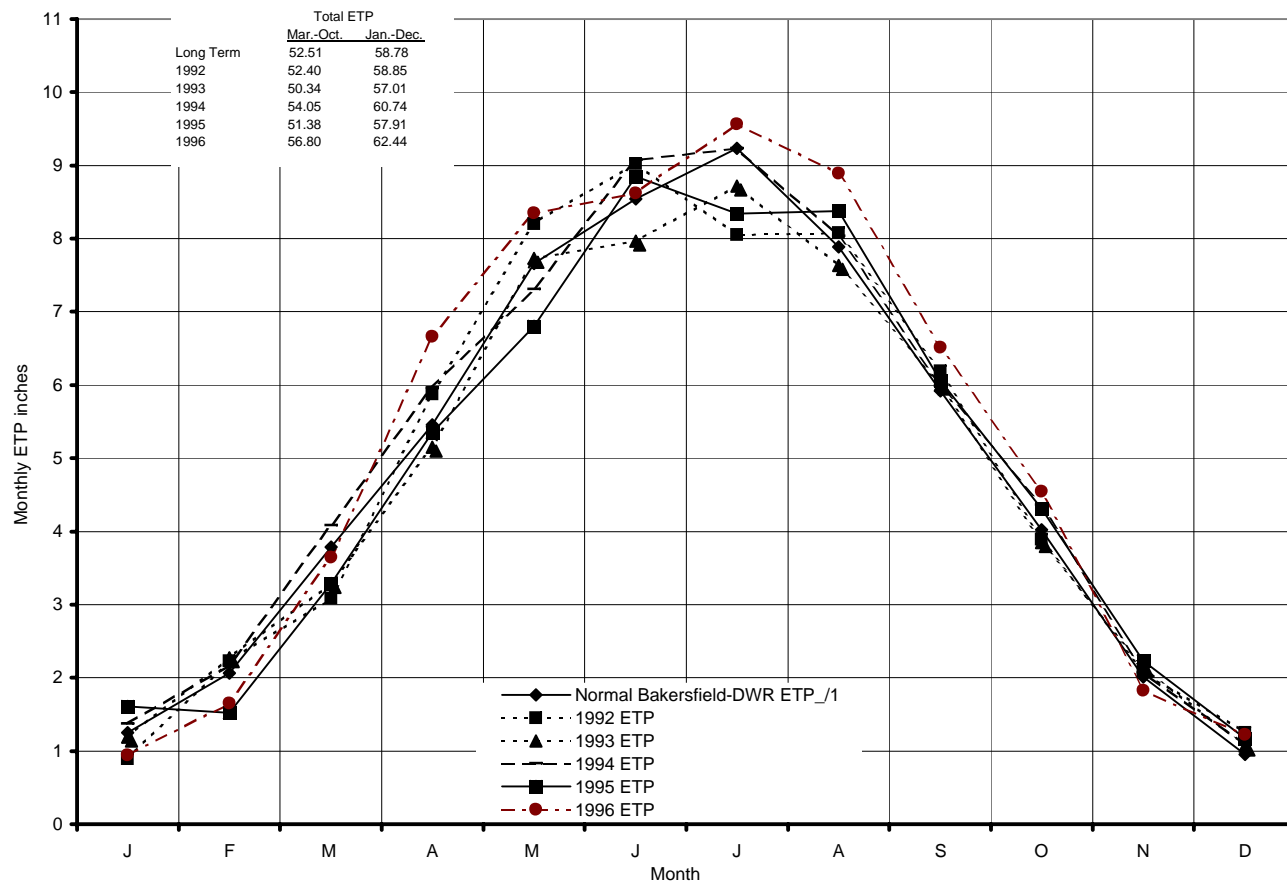


Figure 2. Long-Term "Normal" Monthly Average ETP<sup>1</sup> Compared to 1992 - 1996 ETP for Bakersfield Stations in Irrigated Pastures<sup>2</sup>

<sup>1</sup> Long-term "normal" for irrigated pasture pans in the San Joaquin Valley - Table 1, Bulletin 113-3

<sup>2</sup> 1992 - 1993 observed Monthly Ep were an average of Bakersfield Stations 12S and Lamont 2NW - DWR.

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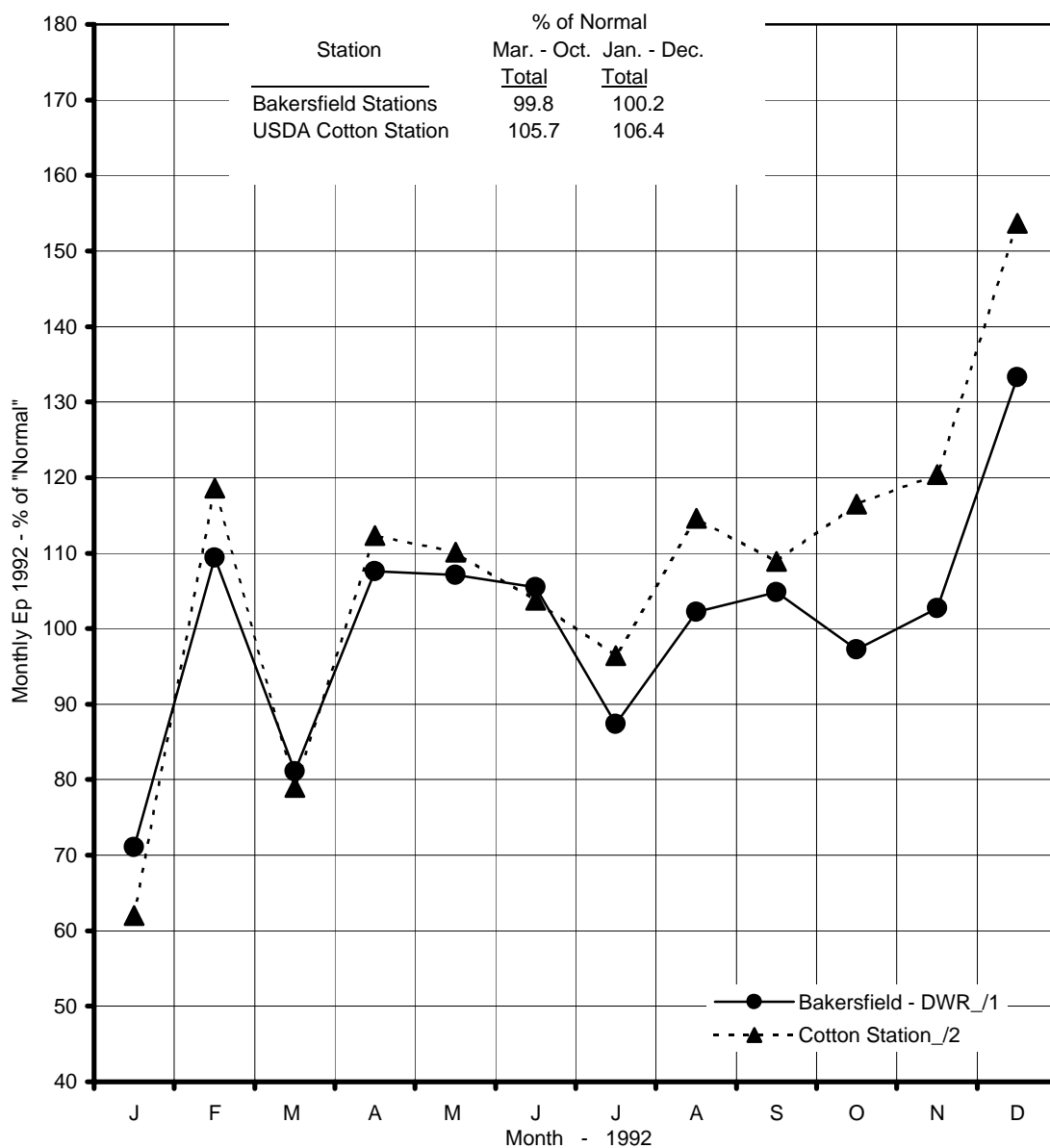


Figure 3. 1992 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 USDA Cotton Station (Grass Turf)<sup>2</sup>

<sup>1</sup> 1992 observed Monthly Ep of Bakersfield Stations 12S and Lamont 2NW - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley - Table 1, Bulletin 113-3.

<sup>2</sup> 1992 observed Monthly Ep USDA Cotton Station - Shafter compared to long-term "normal" for that station.

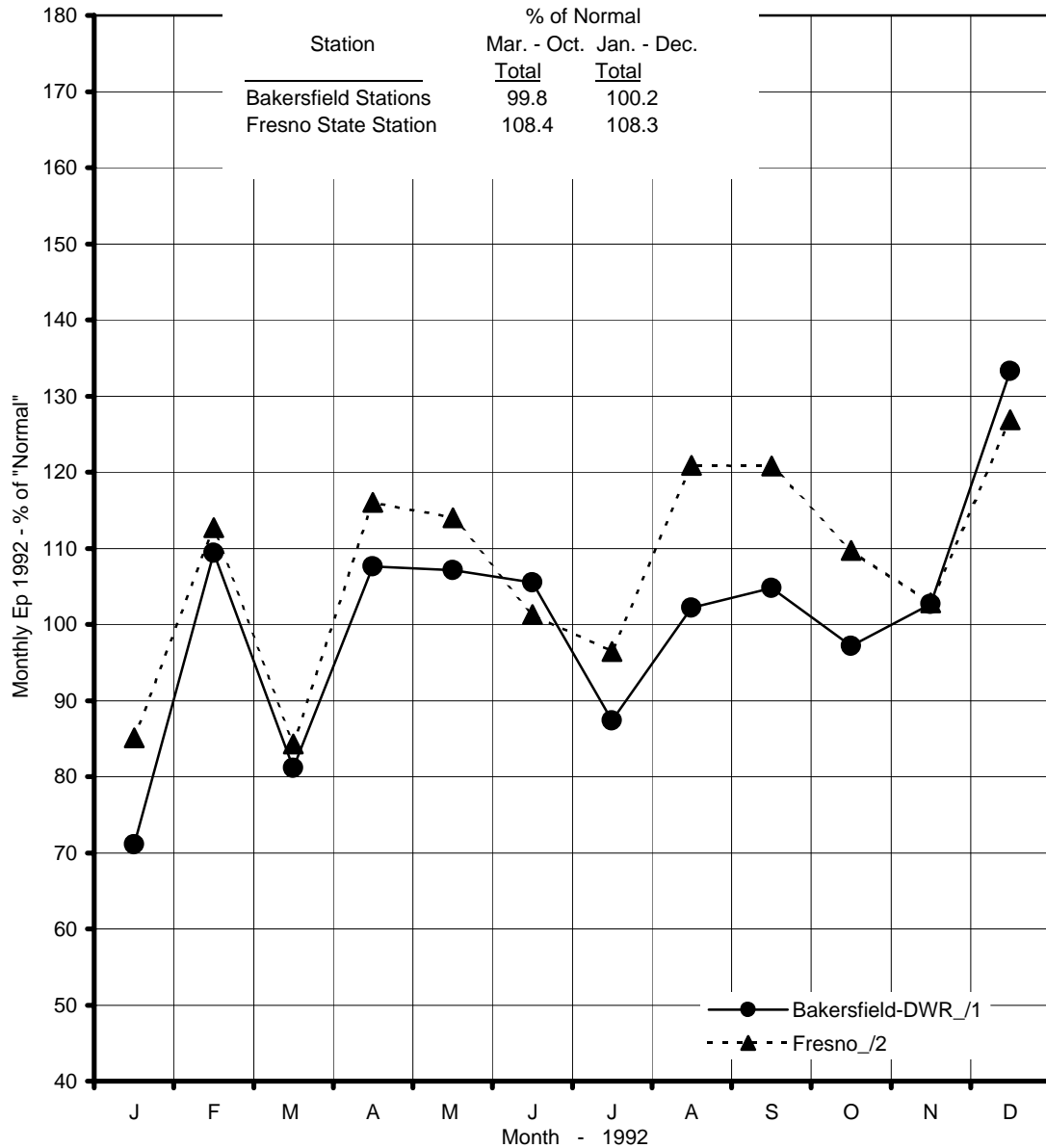


Figure 4. 1992 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 Fresno Station (Irrigated Pasture)<sup>2</sup>

<sup>1</sup> 1992 observed Monthly Ep of Bakersfield Stations 12S and Lamont 2NW - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley - Table 1, Bulletin 113-3.

<sup>2</sup> 1992 observed Monthly Ep Fresno State Station - Compared to long-term "normal" for that station.

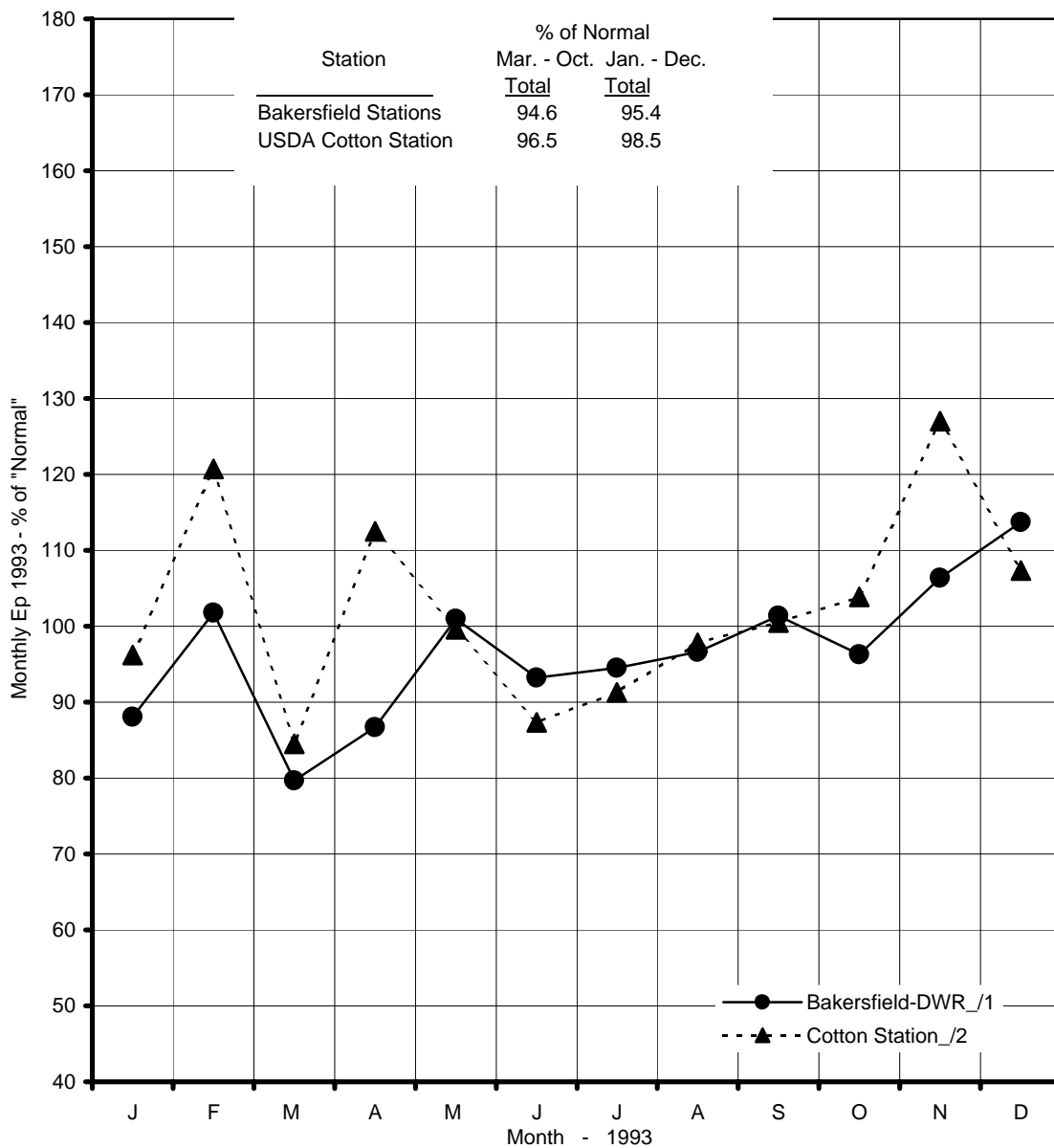


Figure 5. 1993 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 USDA Cotton Station (Grass Turf)<sup>2</sup>

<sup>1</sup> 1993 observed Monthly Ep of Bakersfield Stations 12S and Lamont 2NW - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1993 observed Monthly Ep USDA Cotton Station - Shafter compared to long-term "normal" for that station.

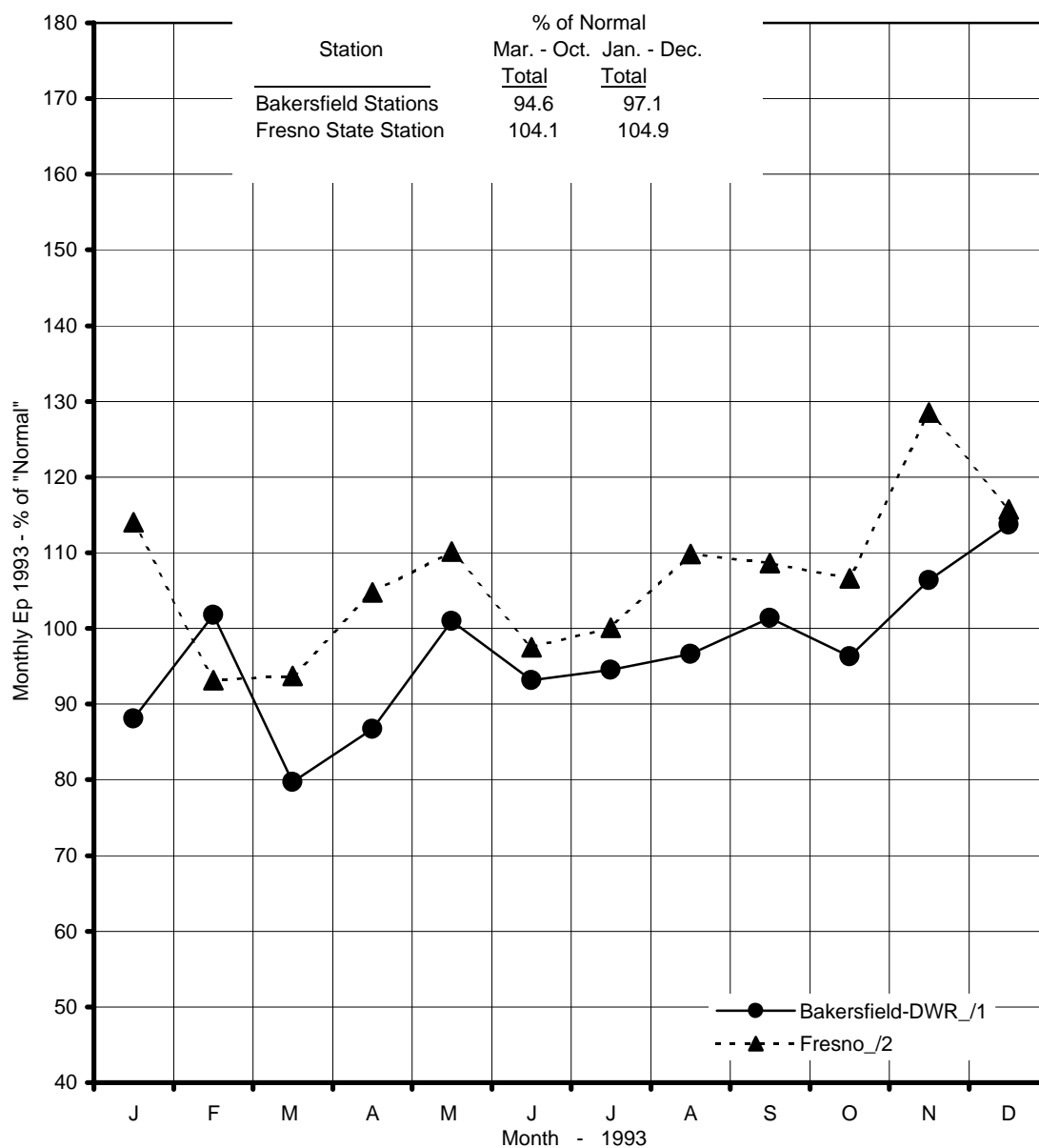


Figure 6. 1993 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 Fresno Station (Irrigated Pasture)<sup>2</sup>

<sup>1</sup> 1993 observed Monthly Ep of Bakersfield Stations 12S and Lamont 2NW - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1993 observed Monthly Ep Fresno State Station - Compared to long-term "normal" for that station.

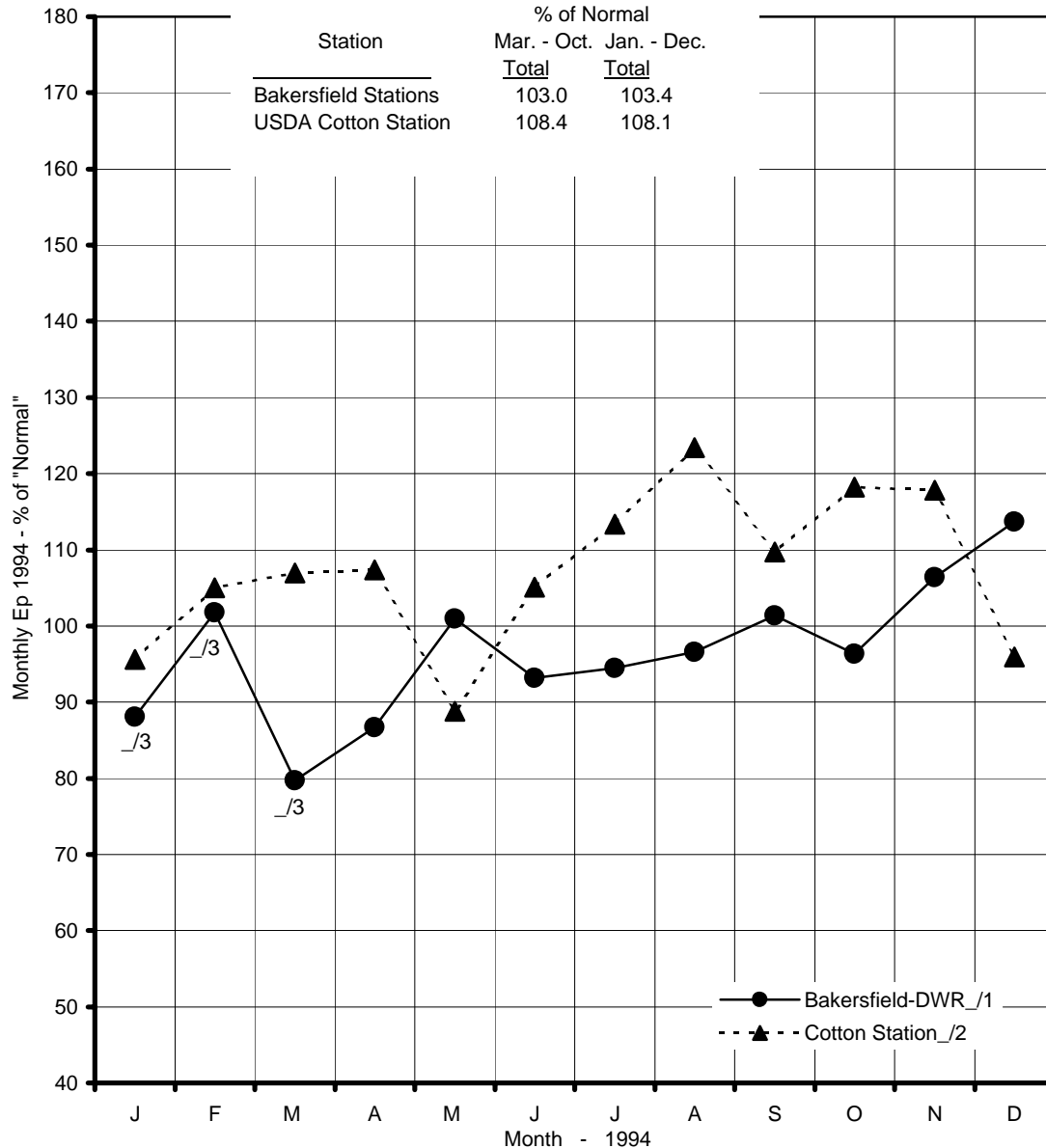


Figure 7. 1994 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 USDA Cotton Station (Grass Turf)<sup>2</sup>

<sup>1</sup> 1994 observed Monthly Ep of Bakersfield Stations 12S and Lamont 2NW - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1994 observed Monthly Ep USDA Cotton Station - Shafter compared to long-term "normal" for that station.

<sup>3</sup> January - March Ep values for Bakersfield were estimated based on long-term observed relationship between Bakersfield 12S and Lamont 2NW.

Lamont 2NW was removed in January and Bakersfield 14W was established in March 1994.



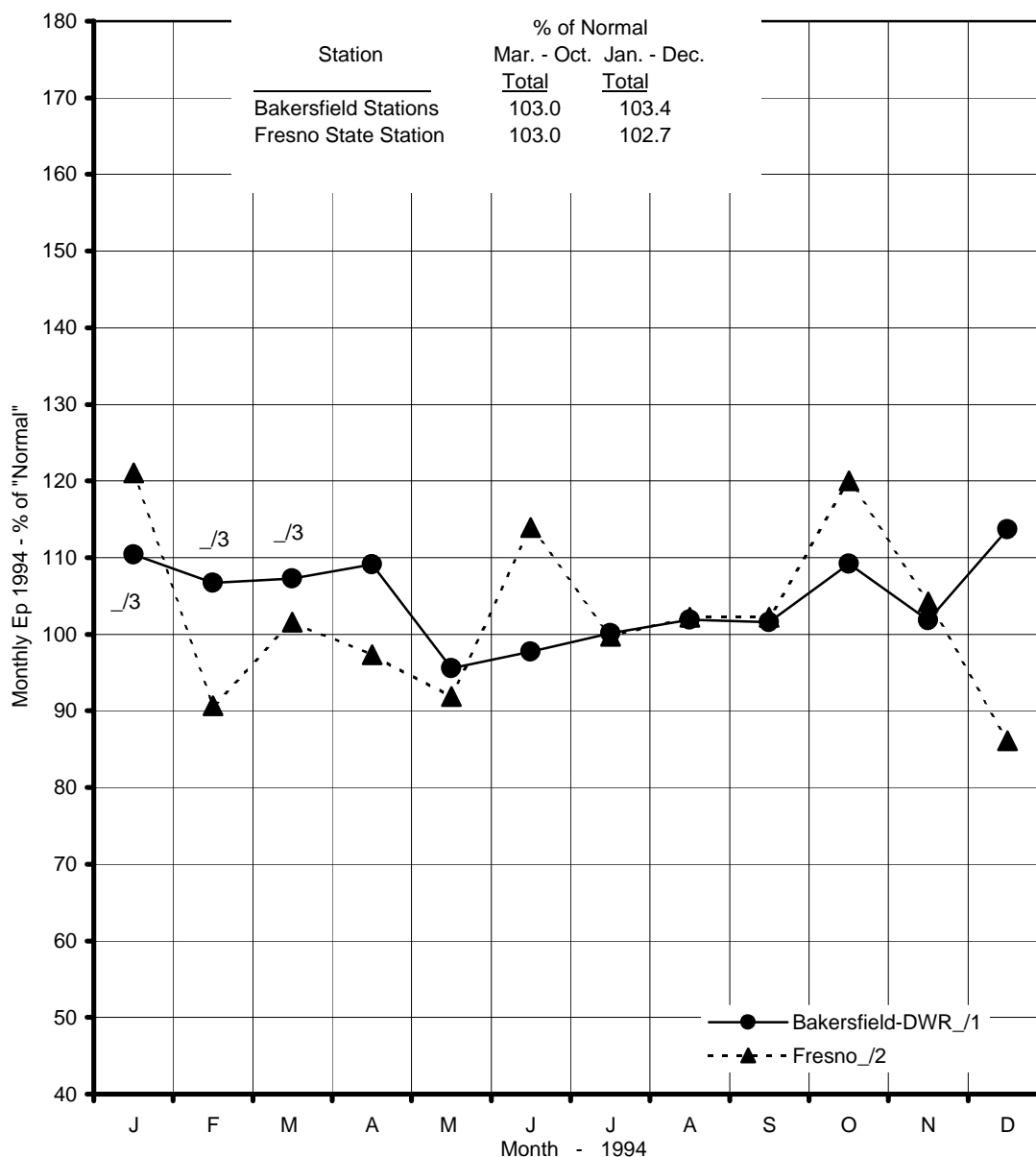


Figure 8. 1994 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 Fresno Station (Irrigated Pasture)<sup>2</sup>

<sup>1</sup> 1994 observed Monthly Ep of Bakersfield Stations 12S and Lamont 2NW - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1994 observed Monthly Ep Fresno State Station - Compared to long-term "normal" for that station.

<sup>3</sup> January - March Ep values for Bakersfield were estimated based on long-term observed relationship between Bakersfield 12S and Lamont 2NW.

Lamont 2NW was removed in January and Bakersfield 14W was established in March 1994.

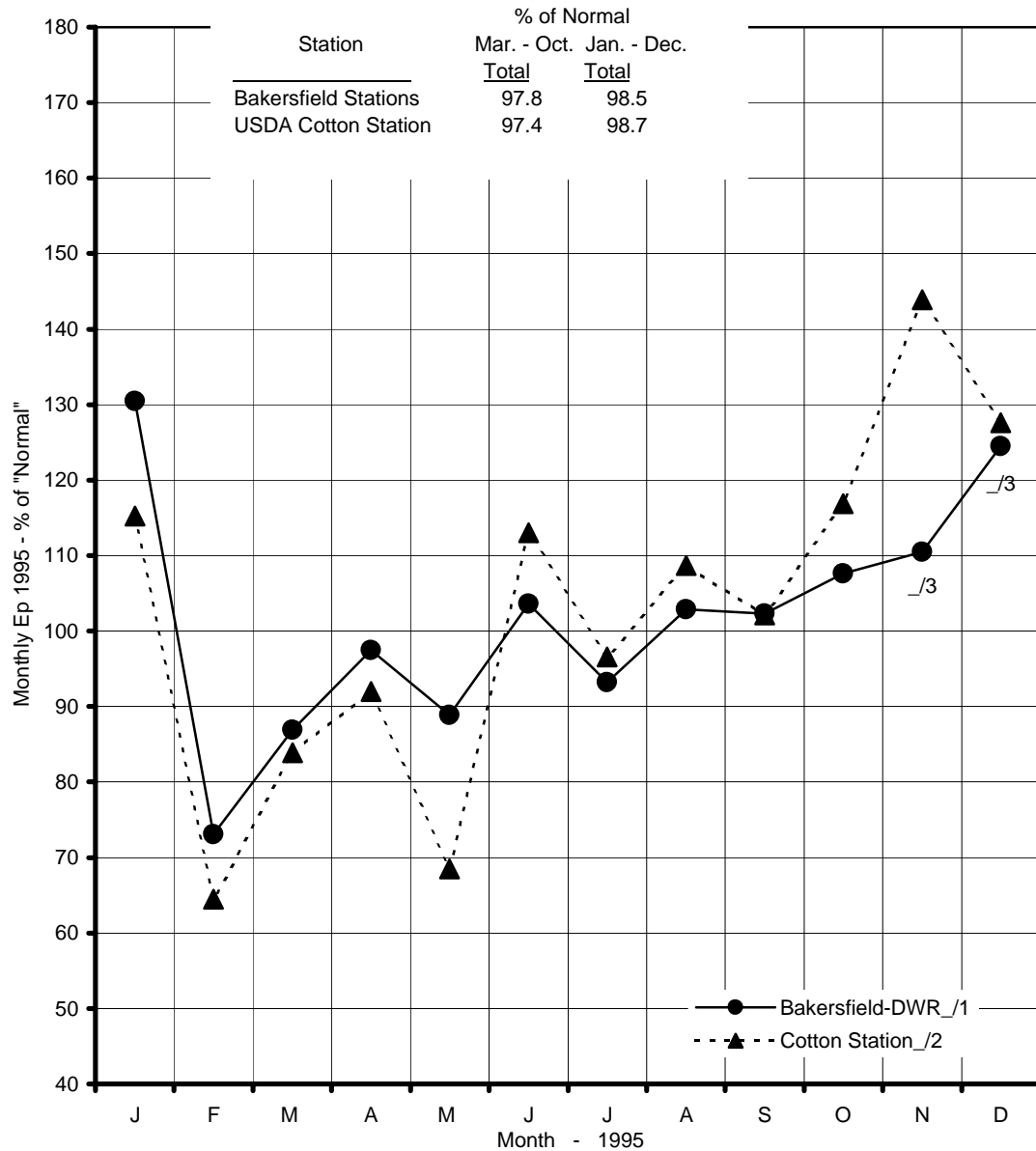


Figure 9. 1995 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 USDA Cotton Station (Grass Turf)<sup>2</sup>

<sup>1</sup> 1995 observed Monthly Ep of Bakersfield Stations 12S and Bakersfield 14W - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1995 observed Monthly Ep USDA Cotton Station - Shafter compared to long-term "normal" for that station.

<sup>3</sup> Bakersfield 12S was removed in November. November and December values were estimated based on long-term relationship between Bakersfield 12S and Bakersfield 14W.

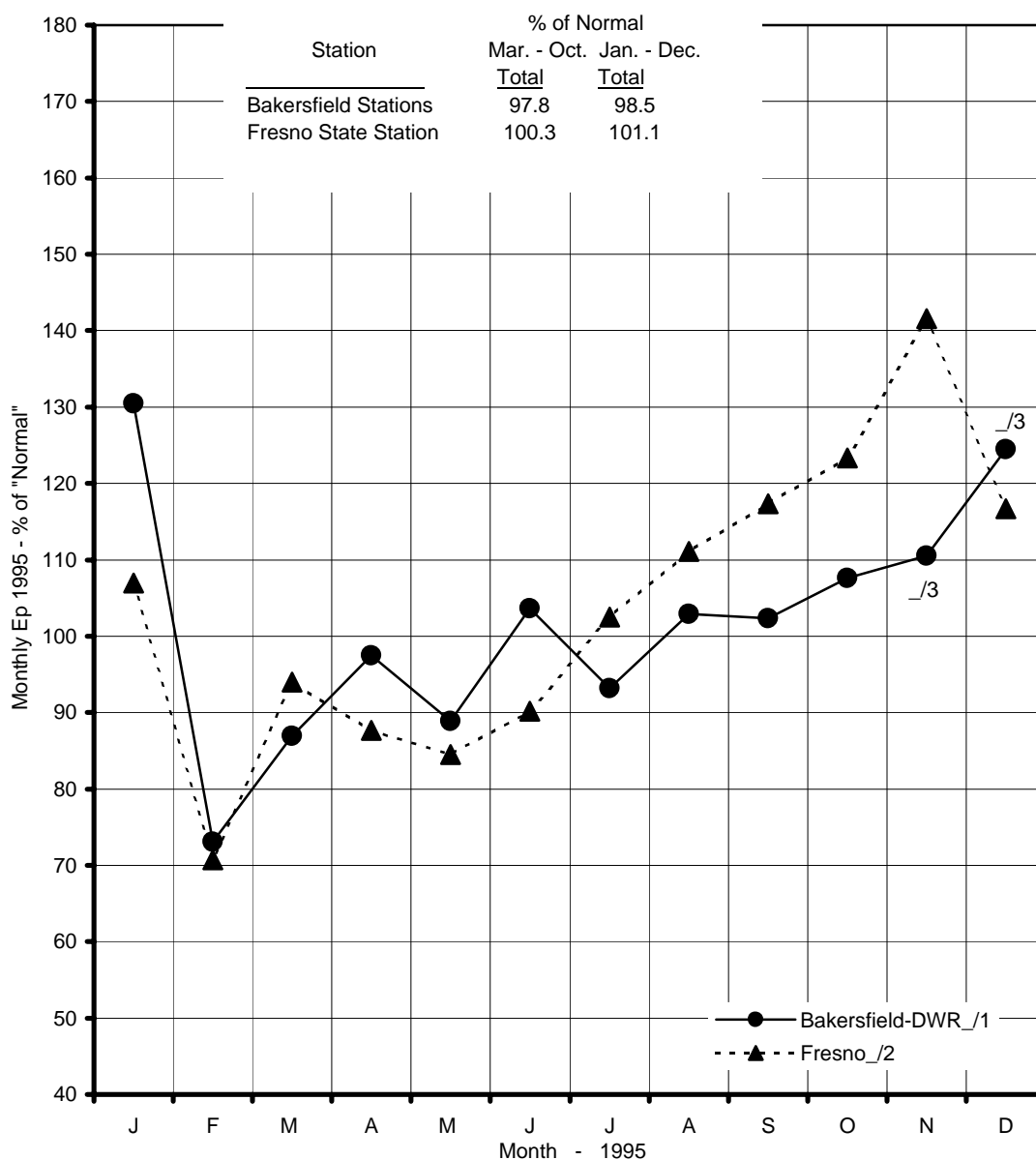


Figure 10. 1995 Monthly Ep as a Percentage of "Normal"  
Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
Fresno Station (Irrigated Pasture)<sup>2</sup>

<sup>1</sup> 1995 observed Monthly Ep of Bakersfield Stations 12S and Bakersfield 14W - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1995 observed Monthly Ep Fresno State Station - Compared to long-term "normal" for that station.

<sup>3</sup> Bakersfield 12S was removed in November. November and December values were estimated based on long-term relationship between Bakersfield 12S and Bakersfield 14W.

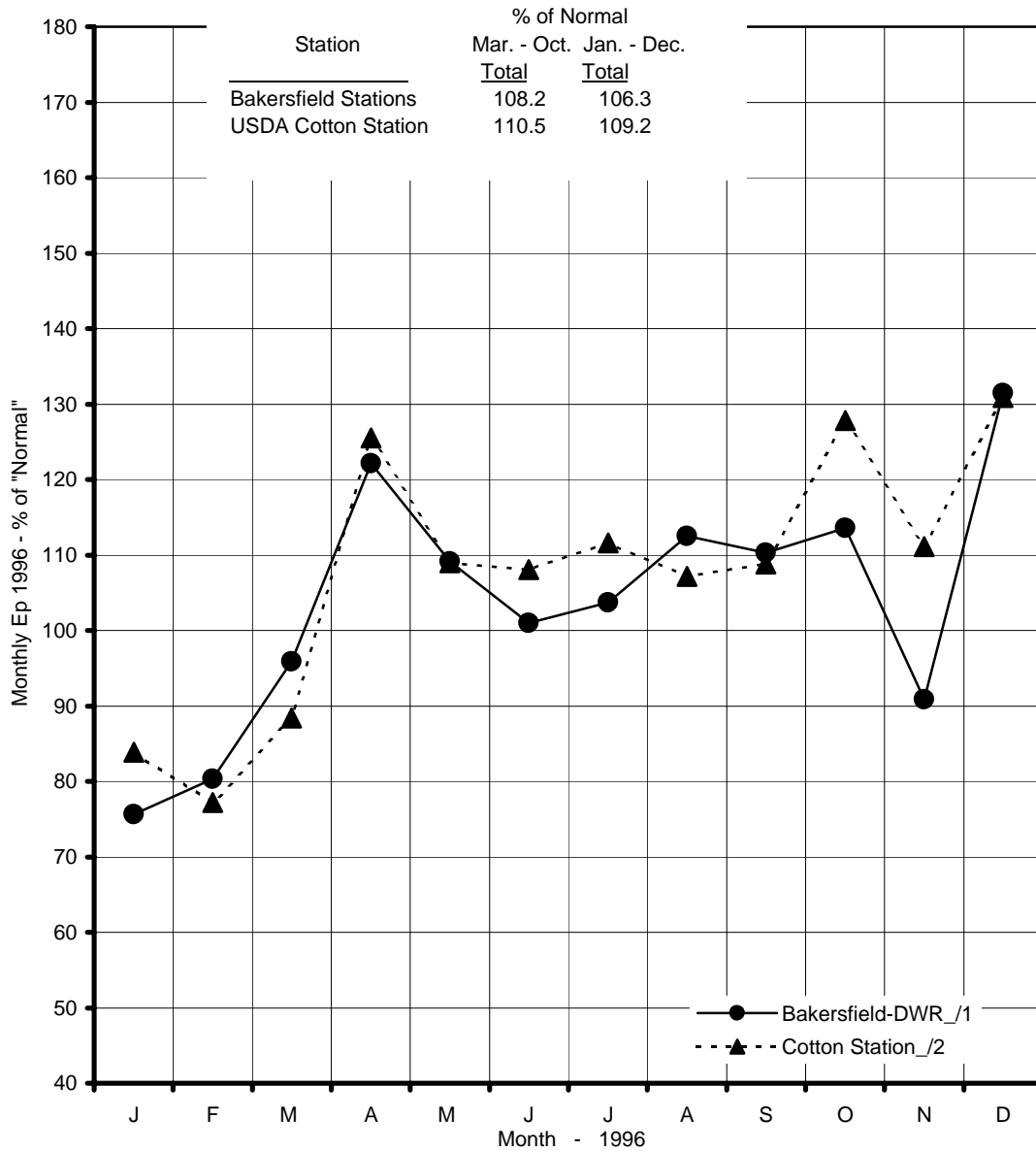


Figure 11. 1996 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 USDA Cotton Station (Grass Turf)<sup>2</sup>

<sup>1</sup> 1996 observed Monthly Ep of Bakersfield Station 14W - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1996 observed Monthly Ep USDA Cotton Station - Shafter compared to long-term "normal" for that station.

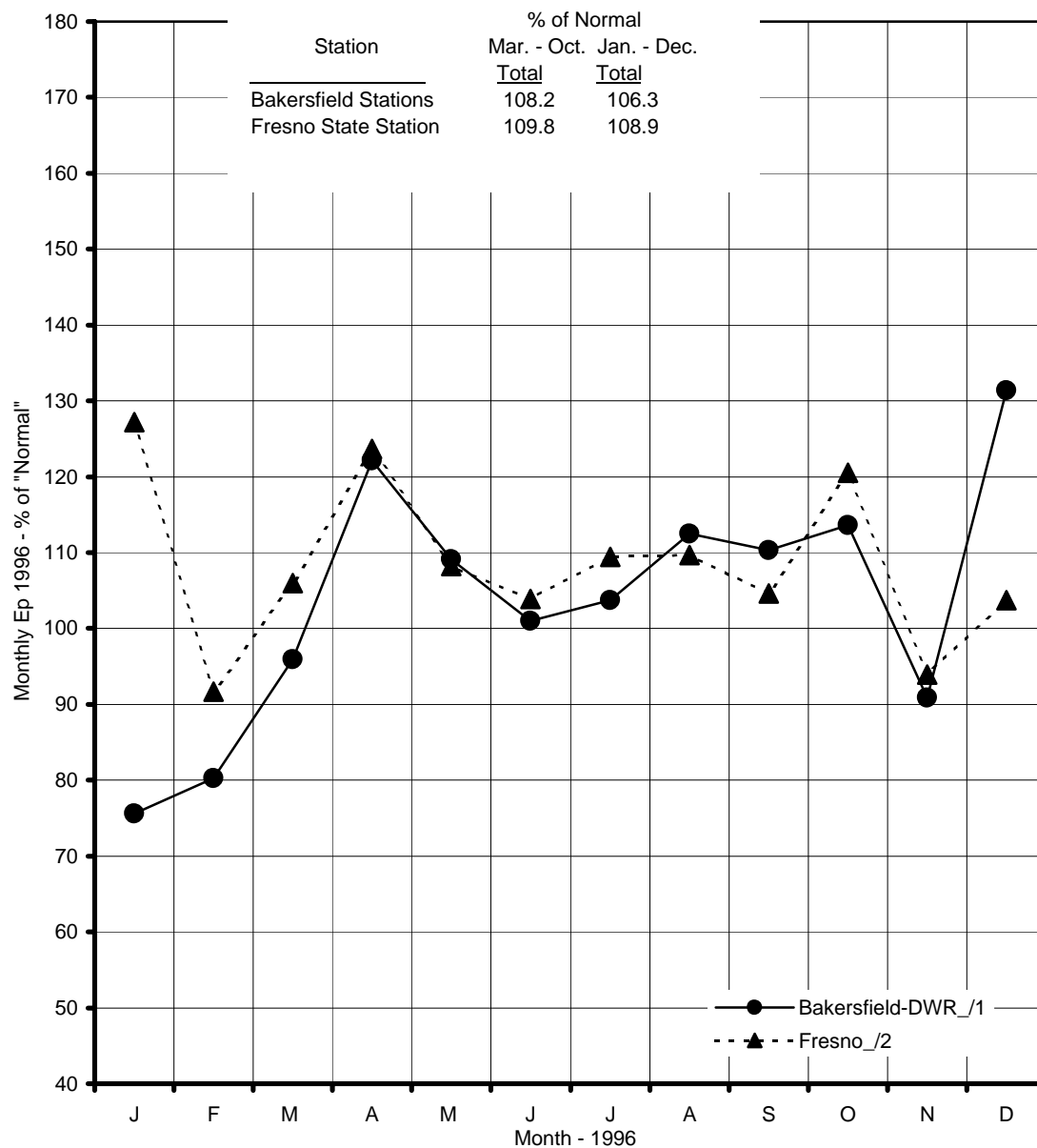
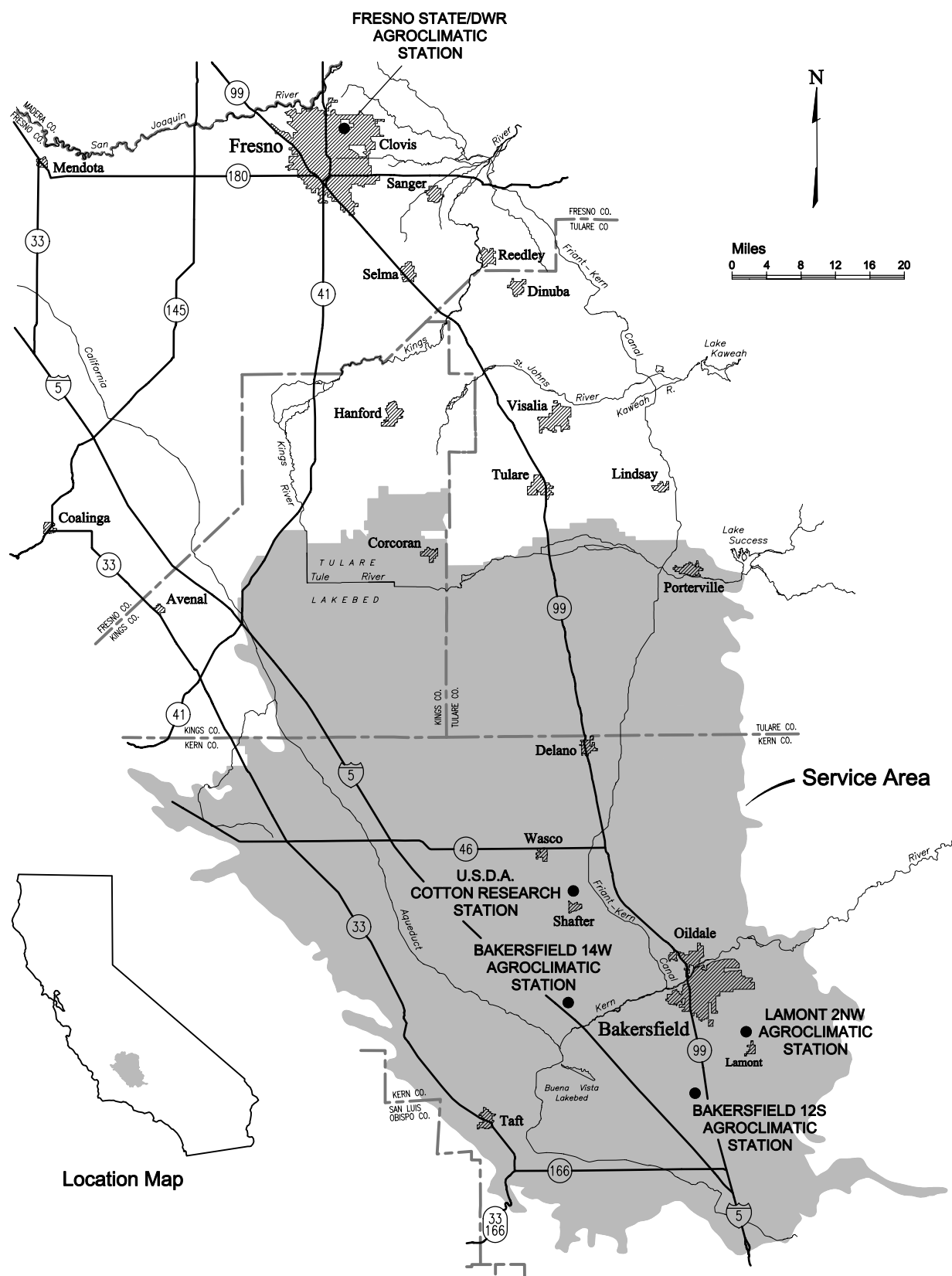


Figure 12. 1996 Monthly Ep as a Percentage of "Normal"  
 Bakersfield Stations (Irrigated Pasture)<sup>1</sup> and  
 Fresno Station (Irrigated Pasture)<sup>2</sup>

<sup>1</sup> 1996 observed Monthly Ep of Bakersfield Station 14W - DWR compared to long-term "normal" for irrigated pasture pans in the San Joaquin Valley.

<sup>2</sup> 1996 observed Monthly Ep Fresno State Station - Compared to long-term "normal" for that station.



**Figure 13. Service Area and Agroclimatic Stations**  
Crop Water Use in the Southern San Joaquin Valley